

AMENDMENTS TO THE SPECIFICATION

Please replace page 6, lines 17-26 with the following paragraph rewritten in amendment format:

A heat protect temperature sensor (first sensor) 13 is disposed at a position (a first position of a fluid passage) proximate to a downstream portion 10a of the heated portion of the pipe 10. The first sensor 13 detects the temperature of a wall of the pipe 10 proximate to the downstream portion 10a. Thus, the first sensor 13 indirectly detects the temperature of the heated fluid at a position proximate to the downstream portion 10a of the heated portion. That is, the first sensor 13 detects the temperature that increases or changes in accordance with heat generation of the electric heater 11. Here, the first sensor 13 constructs a first temperature detecting means.

Please replace page 6, line 27 and page 7, lines 1-6 with the following paragraph rewritten in amendment format:

A heated fluid sensor (second sensor) 14 detects the temperature of the wall of the pipe 10 at a fluid inlet (a second position of the fluid passage) 1a of the heat exchanger 1, thereby indirectly detecting temperature of the heated fluid. The second sensor 14 is disposed downstream from the first sensor 13 so that the second sensor 14 detects temperature of the heated fluid downstream from the first sensor 13. The second sensor 14 constructs a second temperature detecting means.